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(54) Title: METHODS OF FORMING HALOBUTYL ELASTOMERS

(57) Abstract: The present disclosure relates to methods of forming halobutyl rubber. In at least one embodiment, a method of forming a halobutyl elastomer includes polymerizing, in a first reactor, a C₄ to C₇ isomonoolefin, and at least one comonomer to obtain a C₄ to C₇ isomonoolefin derived elastomer. The method includes transferring, via a line, the C₄ to C₇ isomonoolefin derived elastomer to a second reactor. The method includes introducing the C₄ to C₇ isomonoolefin derived elastomer with about 20 ppm to about 400 ppm structure III stabilizer, based on the amount of C₄ to C₇ isomonoolefin derived elastomer and structure III stabilizer. The method includes introducing the C₄ to C₇ isomonoolefin derived elastomer with a halogenating agent to form the halobutyl elastomer.